

Title (en)  
AUTOMATIC TRANSMISSION

Title (de)  
AUTOMATISCHES GETRIEBE

Title (fr)  
TRANSMISSION AUTOMATIQUE

Publication  
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Application  
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Abstract (en)  
The present invention provides a clutch unit of an automatic transmission that is compact in the axial direction and has simple oil passage structures. Two clutches C3, C4 are provided in mutually different positions in the radial direction, while overlapping each other in the axial direction. Both of the two clutches each include a hydraulic servo 20, 40 and a cancel oil chamber 28, 48. To an operating oil chamber 27 in one C3 of the two clutches, oil is supplied from first oil holes b via a first gap B formed between the inner wall of an outer drum 22 2 and the outer face 71 of an inner drum 22 1. To the cancel oil chamber 28 in the one of the two clutches, lubricant oil is supplied from second oil holes a via a second gap A formed between the clutch drum 42 of the other C4 of the two clutches and the back face 70 of the inner drum 22 1. In the first gap B, grooves 74 are formed in such positions of the inner wall of the outer drum 22 2 that oppose the openings b 2 of the first oil holes b. In the second gap A, space portions A' containing no projections 72 that form the first oil holes b and the second oil holes a are provided at equal intervals.

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